

### Claims

1. Ventilation element for a cooler for cooling bulk material, comprising a tray-like component (1) provided with at least one opening (1.10) for the supply of cooling gas as well as an insert (2) which can be releasably fixed in the tray-like component and forms a support surface which can be ventilated from below for the bulk material, the insert consisting of a plurality of longitudinal profiled sections and connecting elements disposed transversely with respect thereto, characterised in that the longitudinal profiled sections (2.1-2.7) and the connecting elements (2.8-2.11) are constructed so that they can be pushed into one another during assembly of the insert.
2. Ventilation element as claimed in Claim 1, characterised in that the connecting elements (2.8-2.11) have grooves and/or recesses which are adapted to the cross-sectional profiles of the longitudinal profiled sections (2.1-2.7).
3. Ventilation element as claimed in Claim 1, characterised in that the longitudinal profiled sections (2.1-2.7) have grooves and/or stops in order to position at least some of the connecting elements (2.8-2.11).
4. Ventilation element as claimed in Claim 1, characterised in that the individual elements of the insert (2) are merely pushed on during assembly and the insert is releasably connected, preferably screwed, to the tray-like component (1).
5. Ventilation element as claimed in Claim 1, characterised in that the individual elements (2.1-2.11) of the insert are merely pushed on during assembly and the insert (2) is connected to the tray-like component (1) by friction and by positive locking in such a way that a defined bending moment is produced, resulting in precise securing of the position of the insert in the tray-like components and of the individual parts of the insert relative to one another.

6. Ventilation element as claimed in Claim 1, characterised in that at least some of the longitudinal profiled sections (2.1-2.7 ) are constructed as U-shaped sections and are disposed in such a way that a U-shaped section which is open at the top alternates with a U-shaped section which is open at the bottom, whereby the flanks of adjacent U-shaped sections engage in one another and form a ventilation slot between them.

7. Ventilation element as claimed in Claim 1, characterised in that the support surface for the bulk material is formed by a plurality of box-like compartments which are open at the top and are constructed to receive bulk material.

8. Ventilation element as claimed in Claim 1, characterised in that the insert consists of shaped sheet metal sections.